

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/579,500  
Source: IFWP  
Date Processed by STIC: 5/25/06

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IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/579,500

DATE: 05/25/2006

TIME: 09:36:31

Input Set : A:\Her2SeqLst.txt

Output Set: N:\CRF4\05252006\J579500.raw

3 <110> APPLICANT: PTC Therapeutics, Inc.  
 4 Mehta, Anuradha  
 5 Trotta, Christopher Robert  
 7 <120> TITLE OF INVENTION: Methods and Agents for Screening for Compounds  
 Capable of  
 8 Modulating Her2 Expression  
 10 <130> FILE REFERENCE: 19025.024  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/579,500  
 C--> 13 <141> CURRENT FILING DATE: 2006-05-16  
 15 <150> PRIOR APPLICATION NUMBER: US 60/520,384  
 16 <151> PRIOR FILING DATE: 2003-11-17  
 18 <160> NUMBER OF SEQ ID NOS: 30  
 20 <170> SOFTWARE: PatentIn version 3.2  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 73  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Synthetic construct  
 30 <400> SEQUENCE: 1  
 31 cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca 60  
 33 ggggagaatg ggt 73  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 3768  
 38 <212> TYPE: DNA  
 39 <213> ORGANISM: Homo sapiens  
 41 <400> SEQUENCE: 2  
 42 atggagctgg cggccttgcg ccgcgtgggg ctccctcctcg ccctcttgcc ccccgagcc 60  
 44 gcgagcaccc aagtgtgcac cggcacagac atgaagctgc ggctccctgc cagtcccgag 120  
 46 acccacctgg acatgctccg ccacacctac cagggctgcc aggtggtgca gggaaacactg 180  
 48 gaactcacct acctgcccac caatgccagc ctgtccttcc tgcaggatat ccaggaggtg 240  
 50 caggctacg tgctcategc tcacaaccaa gtgaggcagg tcccaactgca gaggctgcgg 300  
 52 attgtgcgag gcacccagct ctttgaggac aactatgccc tggccgtgct agacaatgga 360  
 54 gacccgctga acaataccac ccctgtcaca ggggcctccc caggaggcct gcgggagctg 420  
 56 cagttcggaa gcctcacaga gatcttggaa ggaggggtct tgcacccatcg gaaccccccag 480  
 58 ctctgctacc aggacacgat tttgtggaa gacatcttcc acaagaacaa ccagctggct 540  
 60 ctcacactga tagacaccaa ccgcctctcg gcctgccacc cctgttctcc gatgtgtaa 600  
 62 ggcgtcccgct gctggggaga gagttctgag gattgtcaga gcctgacgcg cactgtctgt 660  
 64 gccggtggct gtgcggctg caaggggcca ctgcccactg actgctgccatg tgagcagtgt 720  
 66 gctggcggtc gcacggggcc caagcactt gactgcctgg cctgcctcca cttcaaccac 780  
 68 agtggcatct gtgagctgca ctgcccagcc ctggtcaccc acaacacaga cacgttgag 840  
 70 tccatgcccata atcccgaggg ccggtataca ttccggcgcca gctgtgtgac tgcctgtccc 900  
 72 tacaactacc ttctacggc cgtggatcc tgcaccctcg tctgccccct gcacaaccaa 960  
 74 gaggtgacag cagaggatgg aacacagcgg tgtgagaagt gcagcaagcc ctgtgcccga 1020

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76	gtgtgctatg	gtctggcat	ggagcacttgc	cgagaggta	gggcagttac	cagtgc	aat	1080
78	atccaggagt	ttgctggctg	caagaagatc	tttgggagcc	tggcatttct	gccggagagc		1140
80	tttgcgtggg	acccagcc	caacactg	ccgctcc	cagagc	actt	ttt	1200
82	gagactctgg	aagagatcac	aggta	ccct	catatctc	at	gag	1260
84	gaccc	cagcg	tcttcc	cagaa	cctg	caag	atc	1320
86	tactcg	ctgt	ccct	gcaagg	gctgg	actt	ggc	1380
88	ctggc	agtg	gact	ggcc	catcc	aa	accc	1440
90	ccct	ggg	gacc	agct	tttc	gaac	ccgc	1500
92	gagg	acgagt	gtgt	gggc	ggc	tgcc	acc	1560
94	tg	gggt	ccag	ggcc	ccaa	gtgt	caac	1620
96	gtgg	gagg	at	ggg	ctc	gg	atgc	1680
98	ttgc	cgt	acc	ttt	ccat	aa	accc	1740
100	gctg	acc	atgt	gggc	tttc	aa	ggct	1800
102	ccc	acg	gtgt	gggc	ccat	at	ggcc	1860
104	ggc	gc	atgt	ggcc	act	gtgt	ggac	1920
106	ggct	cccc	cg	agc	ccct	ctg	ac	1980
108	att	ctg	ctgg	ttt	gggt	ttt	ggat	2040
110	aag	atcc	gat	gg	ggact	tc	ggag	2100
112	acac	ctt	cgat	ggcc	caac	ggat	gaca	2160
114	agga	agg	gtgt	ttt	ggc	atc	tgc	2220
116	cct	gtgt	gggg	aa	atcc	atc	ggat	2280
118	ccca	aa	agcc	aa	atc	aa	acatcc	2340
120	tat	gtct	ccc	gc	tttct	tc	atct	2400
122	atgc	cc	cctat	g	cc	cc	actat	2460
124	gac	ct	ctgt	gtat	ca	ggat	cttgc	2520
126	ctc	gt	acaca	gg	actt	gg	atgt	2580
128	att	ac	agact	tc	ggct	tc	gat	2640
130	gggg	ca	agg	tc	ggat	ggc	ttc	2700
132	cacc	ag	atgt	gg	atgt	gg	gtat	2760
134	aaac	cc	tttac	gg	ggat	tc	gtgg	2820
136	ctg	cccc	cac	cc	ccat	tc	atgt	2880
138	att	gact	ctg	cc	atc	gg	tttgc	2940
140	agg	gg	atgt	cc	ggat	cc	ccat	3000
142	gac	ac	act	tc	gtgg	tc	gtgt	3060
144	gagg	at	act	tc	ggct	tc	atc	3120
146	ggc	at	acc	cc	ccat	tc	tc	3180
148	ctagg	gg	cttgc	cc	ccat	tc	tc	3240
150	gctgg	ctcc	atgt	tttgc	tttgc	ggat	gggg	3300
152	ctccc	ccac	atg	cc	ccat	tc	atgt	3360
154	ccct	ctg	aga	ctg	at	gggg	gggg	3420
156	aacc	agg	atgt	cc	ccat	tc	atgt	3480
158	cgac	ct	gtgt	cc	ccat	tc	atgt	3540
160	gtcaa	agg	atgt	cc	ccat	tc	atgt	3600
162	ggagg	atgt	cc	ccat	tc	cc	ccat	3660
164	tattact	ggg	acc	cc	ccat	tc	cc	3720
166	cctac	ggc	aga	cc	ccat	tc	cc	3768
169	<210>	SEQ	ID	NO:	3			
170	<211>	LENGTH:	531					
171	<212>	TYPE:	DNA					

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Input Set : A:\Her2SeqLst.txt  
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172 <213> ORGANISM: Artificial  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Synthetic construct  
177 <400> SEQUENCE: 3  
178 accagaaggc caagtccgca gaagccctga tgtgtcctca gggagcaggg aaggcctgac 60  
180 ttctgctggc atcaagaggt gggagggccc tccgaccact tccagggaa cctgccatgc 120  
182 caggaacctg tcctaaggaa ctttccttcc tgcttgagtt cccagatggc tggaaggggt 180  
184 ccagcctcggt tggaaagagga acagcactgg ggagtctttg tggattctga ggccctgccc 240  
186 aatgagactc tagggtccag tggatgccac agcccaagctt ggccctttcc ttccagatcc 300  
188 tgggtactga aagccttagg gaagctggcc tgagagggga agcggcccta agggagtgtc 360  
190 taagaacaaa agcaccat tcagagactg tccctgaaac cttagtactgc ccccatgag 420  
192 gaaggaacag caatgggtgc agtatccagg ctttgcacag agtgcctttc tgtagttt 480  
194 ttacttttt tgttttgttt tttaaagat gaaataaaga cccaggggggaa g 531  
197 <210> SEQ ID NO: 4  
198 <211> LENGTH: 615  
199 <212> TYPE: DNA  
200 <213> ORGANISM: Artificial  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: Synthetic construct  
205 <400> SEQUENCE: 4  
206 tgaaccagaa ggccaagtcc gcagaagccc tgatgtgtcc tcagggagca gggaggcct 60  
208 gacttctgct ggcataaga ggtggggaggg ccctccgacc acttccaggg gaacctgcca 120  
210 tgccaggaac ctgtcctaag gaaaccttcc tcctgcttga gttcccagat ggctggaagg 180  
212 ggtccagct ctgtggaaga ggaacacgac tggggaggtct ttgtggattc tgaggccctg 240  
214 cccaatgaga ctctagggtc cagtgatgc cacagcccac ctggccctt tccttccaga 300  
216 tcctgggtac tgaaaggcctt agggaaagctg gcctgagagg ggaagcggcc ctaaggaggt 360  
218 gtctaagaac aaaagcgacc cattcagaga ctgtccctga aacctagtac tgccccccat 420  
220 gaggaaggaa cagcaatggt gtcagtatcc aggctttgtt cagagtgcctt ttctgttttag 480  
222 ttttacttt ttttgggg ttttttaaa gacgaaataa agacccaggg gagaatgggt 540  
224 gttgtatggg gaggcaagtg tgggggggtcc ttctccacac ccacttgc catttgcaaa 600  
226 tatattttgg aaaac 615  
229 <210> SEQ ID NO: 5  
230 <211> LENGTH: 310  
231 <212> TYPE: DNA  
232 <213> ORGANISM: Artificial  
234 <220> FEATURE:  
235 <223> OTHER INFORMATION: Synthetic construct  
237 <400> SEQUENCE: 5  
238 tgaaccagaa ggccaagtcc gcagaagccc tgatgtgtcc tcagggagca gggaggcct 60  
240 gacttctgct ggcataaga ggtggggaggg ccctccgacc acttccaggg gaacctgcca 120  
242 tgccaggaac ctgtcctaag gaaaccttcc tcctgcttga gttcccagat ggctggaagg 180  
244 ggtccagct ctgtggaaga ggaacacgac tggggaggtct ttgtggattc tgaggccctg 240  
246 cccaatgaga ctctagggtc cagtgatgc cacagcccac ctggccctt tccttccaga 300  
248 tcctgggtac 310  
251 <210> SEQ ID NO: 6  
252 <211> LENGTH: 219  
253 <212> TYPE: DNA  
254 <213> ORGANISM: Artificial  
256 <220> FEATURE:

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257 <223> OTHER INFORMATION: Synthetic construct  
 259 <400> SEQUENCE: 6  
 260 ggctgcttga ggaagtataa gaatgaagtt gtgaagctga gattcccttc cattgggacc 60  
 262 ggagaaacca ggggagccccc cggggcagcc gcgcgccttcc tcccacgggg cccttactg 120  
 264 cgcgcgcgc cccgcgcgc cccctcgag caccggcgc cccgcgccttcc cccagccggg 180  
 266 tccagccgga gccatggggc cggagccgca gtgagcacc 219  
 269 <210> SEQ ID NO: 7  
 270 <211> LENGTH: 104  
 271 <212> TYPE: DNA  
 272 <213> ORGANISM: Artificial  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: Synthetic construct  
 277 <400> SEQUENCE: 7  
 278 ctttccttcc tgcttgagtt cccagatggc tggaagggtt ccagcctcggt tggaagagga 60  
 280 acagcactgg ggagtcttg tggattctga ggcctgccc aatg 104  
 283 <210> SEQ ID NO: 8  
 284 <211> LENGTH: 73  
 285 <212> TYPE: DNA  
 286 <213> ORGANISM: Artificial  
 288 <220> FEATURE:  
 289 <223> OTHER INFORMATION: Synthetic construct  
 291 <400> SEQUENCE: 8  
 292 cttttctgtt tagttttac ttttttgtt ttgtttttt aaagatgaaa taaagaccca 60  
 294 ggggagaatg ggt 73  
 297 <210> SEQ ID NO: 9  
 298 <211> LENGTH: 73  
 299 <212> TYPE: DNA  
 300 <213> ORGANISM: Artificial  
 302 <220> FEATURE:  
 303 <223> OTHER INFORMATION: Synthetic construct  
 305 <400> SEQUENCE: 9  
 306 cttttctgtt tagttttac ttttttgtt ttgtttttt aaagatgaaa taaagaccca 60  
 308 gggggagatg ggt 73  
 311 <210> SEQ ID NO: 10  
 312 <211> LENGTH: 73  
 313 <212> TYPE: DNA  
 314 <213> ORGANISM: Artificial  
 316 <220> FEATURE:  
 317 <223> OTHER INFORMATION: Synthetic construct  
 319 <400> SEQUENCE: 10  
 320 cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca 60  
 322 gggggagatg ggt 73  
 325 <210> SEQ ID NO: 11  
 326 <211> LENGTH: 73  
 327 <212> TYPE: DNA  
 328 <213> ORGANISM: Artificial  
 330 <220> FEATURE:  
 331 <223> OTHER INFORMATION: Synthetic construct  
 333 <400> SEQUENCE: 11

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334	cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca	60
336	ggggggatg ggt	73
339	<210> SEQ ID NO: 12	
340	<211> LENGTH: 73	
341	<212> TYPE: DNA	
342	<213> ORGANISM: Artificial	
344	<220> FEATURE:	
345	<223> OTHER INFORMATION: Synthetic construct	
347	<400> SEQUENCE: 12	
348	cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca	60
350	ggggaaaatg ggt	73
353	<210> SEQ ID NO: 13	
354	<211> LENGTH: 73	
355	<212> TYPE: DNA	
356	<213> ORGANISM: Artificial	
358	<220> FEATURE:	
359	<223> OTHER INFORMATION: Synthetic construct	
361	<400> SEQUENCE: 13	
362	cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca	60
364	ggggaaatg ggt	73
367	<210> SEQ ID NO: 14	
368	<211> LENGTH: 73	
369	<212> TYPE: DNA	
370	<213> ORGANISM: Artificial	
372	<220> FEATURE:	
373	<223> OTHER INFORMATION: Synthetic construct	
375	<400> SEQUENCE: 14	
376	cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca	60
378	ggggaaaatg ggt	73
381	<210> SEQ ID NO: 15	
382	<211> LENGTH: 73	
383	<212> TYPE: DNA	
384	<213> ORGANISM: Artificial	
386	<220> FEATURE:	
387	<223> OTHER INFORMATION: Synthetic construct	
389	<400> SEQUENCE: 15	
390	cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca	60
392	ggggaggatg ggt	73
395	<210> SEQ ID NO: 16	
396	<211> LENGTH: 73	
397	<212> TYPE: DNA	
398	<213> ORGANISM: Artificial	
400	<220> FEATURE:	
401	<223> OTHER INFORMATION: Synthetic construct	
403	<400> SEQUENCE: 16	
404	cttttctgtt tagttttac ttttttgtt ttgtttttt aaagacgaaa taaagaccca	60
406	ggggggatg ggt	73
409	<210> SEQ ID NO: 17	
410	<211> LENGTH: 73	

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/25/2006  
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### Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
Seq#:29,30

**VERIFICATION SUMMARY**  
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date